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Page : 3

On a new page after the claims, please add the following paragraph starting on line 1:

**DIAGNOSTIC AND THERAPEUTIC MEANS FOR PATHOLOGIES
ASSOCIATED WITH APLHA 2 SUBUNIT OF THE NA,K PUMP**

ABSTRACT OF THE INVENTION

A nucleic acid is described that comprises at least one segment of the gene encoding a functional segment of the alpha 2 subunit of the Na,K pump (ATPase, ATP1A2) for use in the diagnosis or treatment of pathologies associated with migraine or with alternating hemiplegia of the childhood. Appropriate diagnostic kits and methods to identify agonist or antagonist agents are also described.